PATENT
Atty. Dkt. AMAT/8830/FEP/PCVD/PJS

N THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Ma, et al.

Serial No.: 10/784,904

Confirmation No.: 6141

Filed:

February 23, 2004

For:

Gate Electrode Dopant

Activation Method For

Semiconductor Manufacturing  $\omega$ 

Group Art Unit: 2812

Examiner:

Unknown

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37 CFR 1.8

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Respectfully submitted,

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Substitute to

Application Number 10/784,904

Filing Date February 23, 2004

First Named Inventor Ma, et al.

Group Art Unit 2812

Examiner Name Unknown

Attorney Docket Number AMAT/8830/FEP/PCVD/PJS

(Use as many sheets as necessary)

Sheet 1 of 1 Submission Date April 22, 2005

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code <sup>2 (if known)</sup>				
	A1	US-6451119 B2	09/17/2002	SNEH, ET AL.		
	A2	US-6335280 B1	01/01/2002	VAN DER JEUGD		
	A3	US-6291319 B1	09/18/2001	YU, ET AL.		
	A4	US-20050079691 A1	04/14/2005	KIM, ET AL.		
	A5	US-20030189208 A1	10/09/2003	LAW, ET AL.		
	A6	US-20020145168 A1	10/10/2002	BOJARCZUK, JR., ET AL.		
	A7					

FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>			
	B1								

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²		
	C1	International Search Report mailed February 22, 2005 for PCT/US2004/030872 (AMAT/8539-PCT)			
	C2	Kamins, et al. "Kinetics of selective epitaxial deposition of Si <sub>1-x</sub> Ge <sub>x</sub> ", Applied Physics Letters, American Institute pf Physics. New York, US, vol. 61, no. 6, 10 August 1992, pp. 669-671	,		
	СЗ	Menon, et al. "Loading effect in SiGe layers grown by dichlorosilane- and silane-based epitaxy", Journal of Applied Physics, American Institute of Physics. New York, US, vol. 90, no. 9, 1 November 2001, pp. 4805-4809			
·	C4	Sedgwick, et al. "Selective SiGe and heavily As doped Si deposited at low temperature by atmospheric pressure chemical vapor deposition", Journal of Vacuum Science and Technology: Part B, American Institute of Physics. New York, US, vol. 11, no. 3, 1 May 1993, pp. 1124-1128			
	C5	Uchino, et al. "A Raised Source/Drain Technology Using In-situ P-doped SiGe and B-doped Si for 0.1 µm CMOS ULSis", Electron Devices Meeting, 1997. Technical Digest, International Washington, DC, USA 7-10 Dec. 1991, New York, NY, USA, IEEE, US, 7 December 1997, pp. 479-482			

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**Date Considered** 

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